

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
26 August 2004 (26.08.2004)

PCT

(10) International Publication Number  
**WO 2004/072262 A3**

(51) International Patent Classification<sup>7</sup>: C12N 5/00, 5/02,  
5/06, 5/08, 5/10, A61K 39/00, 38/39

(21) International Application Number:  
PCT/US2004/003974

(22) International Filing Date: 10 February 2004 (10.02.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/446,474 10 February 2003 (10.02.2003) US

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(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-  
pean (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,  
GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,  
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,  
ML, MR, NE, SN, TD, TG).

**Declaration under Rule 4.17:**

— of inventorship (Rule 4.17(iv)) for US only

**Published:**

— with international search report  
— before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments

(88) Date of publication of the international search report:  
24 March 2005

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: CULTURED CD14+ ANTIGEN PRESENTING CELLS

(57) Abstract: The present invention provides isolated CD14<sup>+</sup> antigen presenting cells, e.g., dendritic cells and isolated and enriched populations thereof as well as methods for isolation and enrichment. Also provided are methods for using the CD14<sup>+</sup> antigenpre-  
senting cells to modulate T cell responses *in vivo*, *in vitro*, and *ex vivo*.

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/03974

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C12N 5/00, 5/02, 5/06, 5/08, 5/10; A61K 39/00, 38/39

US CL : 435/325, 355, 372; 424/184.1, 277.1

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 435/325, 355, 372; 424/184.1, 277.1

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WEST, Medline, Caplus, Promt, Biosis, Embase

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X — Y	SHORTMAN, K., et al. Mouse and Human Dendritic Cell Subsets. Nat. Rev. Immunol. March 2002, Vol. 2, pages 151-161, see entire document.	1-4 <hr/> 5-49
X — Y	ENGERING, A., et al. Subset of DC-SIGN+ dendritic cells in human blood transmits HIV-1 to T lymphocytes. Blood. 1 September 2002, Vol. 100, No. 5, pages 1780-1786, see entire document.	5 <hr/> 1-4 and 6-49
Y	HORIGUCHI, Y., et al. Screening of HLA-A24-restricted Epitope Peptides from Prostate-specific Membrane Antigen That Induce Specific Antitumor Cytotoxic T Lymphocytes. Clin. Cancer Res. December 2002, Vol. 8, pages 3885-3892.	1-49

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Date of the actual completion of the international search

28 November 2004 (28.11.2004)

Date of mailing of the international search report

31 JAN 2005

Name and mailing address of the ISA/US

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

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